

What is Claimed is:

1. A method for monitoring slope lands and buildings on the slope lands to detect a dislocation or inclination occurred to a slope land, comprising steps of:

- 5 a. installing a light transceiver on the slope land;
 b. installing a light emission device on a location corresponding to the light transceiver; and

 c. projecting light from the light emission device to the light transceiver which receives the light and does not output
10 signals;

 wherein the light transceiver does not receive the light emitted from the light emission device when the dislocation or inclination occurs to the slope land and the light transceiver outputs a signal to alert a monitor center.

- 15 2. The method of claim 1, wherein the light transceiver includes:

 a receiving unit to receive light;

 an amplifying unit to receive signals output from the receiving unit;

- 20 a switching unit to receive signals output from the amplifying unit to become conductive; and

 a power unit including a light receiver and a power stabilizing circuit;

 wherein the switching unit is not conductive when the
25 receiving unit receives the light, the switching unit becomes

conductive and outputs a signal when the receiving unit does not receive the light.

3. The method of claim 1, wherein the light emission device includes:

5 an emission unit to generate and output a light which is a light beam of a selected wavelength or a laser light;

 a receiving unit to receive the light;

 an amplifying unit to receive signals output from the receiving unit;

10 a switching unit to receive signals output from the amplifying unit to become conductive; and

 a power unit including a light receiver and a power stabilizing circuit;

 wherein the switching unit is not conductive when the
15 receiving unit receive the light, the switching unit becomes conductive and outputs a signal when the receiving unit does not receive the light.

4. The method of claim 1, wherein the light transceiver transmits the signal to the monitor center through a wired
20 fashion.

5. The method of claim 1, wherein the light transceiver transmits the signal to the monitor center through a wireless fashion.

6. The method of claim 1 further having a relay unit
25 between the light transceiver and the light receiving device to

reflect the light projected from the light emission device to another light emission device or activate the another light emission device to project light to the light transceiver.

7. The method of claim 1, wherein the light transceiver
5 includes a face panel which contains a plurality of receiving units arranged in a matrix manner;

wherein the light generated by the light emission device is projected to the face panel on a coordinate spot and drifts on the face panel when the dislocation or the inclination occurred
10 to the slope land or a building on the slope land, the receiving unit receiving the light and outputting a signal to the monitor center to calculate inclination angle or dislocation amount.

8. A method for monitoring slope lands and buildings on the slope lands to detect dislocation or inclination occurred to a
15 building on a slope land, comprising steps of:

- a. installing a light transceiver on the slope land;
- b. installing a light emission device on the building corresponding to the light transceiver; and
- c. projecting light from the light emission device to the
20 light transceiver which receives the light and does not output signals;

wherein the light transceiver does not receive the light emitted from the light emission device when the dislocation or inclination occurs to the building and the light transceiver
25 outputs a signal to alert a monitor center.

9. The method of claim 8, wherein the building has at least one light emission device installed thereon, each light emission device projecting the light to the light transceiver so that an automatic inspection of other line communication is performed when the light emitted by any one of the light emission device is blocked from reaching the light transceiver thereby to determine environmental conditions and avoid sending out a false alarm signal.

10. A method for monitoring slope lands and buildings on the slope lands to detect dislocation or inclination occurred to a connection location or a crevice of a slope land, comprising steps of:

- a. installing at least two light transceivers on two sides of the connection location of the slope land;
- 15 b. installing at least two light emission devices corresponding to the light transceivers; and
- c. projecting lights from the light emission devices to the light transceiver which receive the lights and do not output signals;

20 wherein the light transceivers do not receive the lights emitted from the light emission devices when the dislocation occurs to the connection location and the light transceivers output a signal to alert a monitor center.